

CLAIM AMENDMENTS

Claims 1-18(Cancelled).

19.(Currently Amended) An improved metallic profile used in the assembly of cabinets, enclosures, boxes or panel boards (100), of an indoor or outdoor type, said cabinets being in the form of a metallic box having side closures (101), including one or more tilting doors (102), such closures, including the doors, being made of substantially thin metallic sheets, an assembly of the metallic profiles (104) forming a structure (103) which, on an outside, support the closures and accessories, while on an inside, has struts for the assembly of electric and electronic components and devices, the metallic profile (104) comprising a cross section formed from a folded metallic sheet with a geometry defined by a central core in a tubular shape with a quadrangular section (105), a first vertex (106) oriented to the inside of the cabinet (100), an opposite first vertex (107) oriented to the outside of the cabinet (100), the two first vertexes formed by single walls, two second vertexes (108) and (109) being formed at joints where the sheet is folded to form the two first vertexes (106-107), from this point on, double walls (110) extend in a coplanar position in relation to walls (106a-106b) adjacent to the first vertex (106), forming opposite rims (111a 111b), whose ends are perpendicularly folded for forming short ends (112) and (113) that are grooved (114) and parallel to but distanced away from the walls (107a-107b) adjacent to the opposite first vertex (107), one wall of which (107a) includes a projection perpendicularly oriented to the outside for forming a perpendicular rim (115), the projection formed by a first end of the metallic sheet extended along the perpendicular orientation of the projection, the first end received within a U-shaped bend in a second end of the metallic sheet, the jointed ends forming the perpendicular rim (115), the perpendicular rim having openings (117) for fixing components thereto.

20.(Previously Presented) The improved metallic profile of claim 19 wherein the walls

adjacent to the opposite first vertex (107) are located outside the cabinet (100), and are completely blind.

21. (Previously Presented) The improved metallic profile of claim 19 wherein the walls adjacent to the first vertex (106) are located inside the cabinet (100), and distribute rows of openings and holes of variable shapes and sizes (116).

22. (Cancelled).

23. (Previously Presented) The improved metallic profile of claim 19 wherein the structure (103), the union of various profiles (104), and the rims (111ab) and (115) face the outside and are combined such that all sides of the structure (103) are symmetrically equal, including a top and a bottom side thereof.

24. (Previously Presented) The improved metallic profile of claim 19 wherein the folded ends (113) form a fitting rail for an “a” type gasket (118).

25. (Currently Amended) The improved metallic profile of claim 19 wherein the openings (117) in the rim (115) provides fixing points for screws (122) for fixing the closures (101), sealed using a profile or “a” type gasket applied to corresponding folded ends (113).

26. (Previously Presented) The improved metallic profile of claim 19 wherein the short ends (112) configure flat props for receiving a sealing cord (123), fixed to an inside of the closure (101) or on a front of the short ends (112).

27. (Previously Presented) The improved metallic profile of claim 19 wherein two structures are joined side by side such that the profile (104) has its ends folded in a straight angle (113) adjusted in an opposed manner or side by side, a seal (123) located therebetween, the seal maintained with a pressure provided by an accessory or flat bar bracket folded in a “U” shape (124) mounted with screws (125), to establish an interconnection between two tubular cores (105), the interconnection additionally having a rod (126) for interconnecting at least two rims (115), the rod fixed with other screws (125).

28. (Previously Presented) The improved metallic profile of claim 19 wherein the profile (104) and the rim (115a) are formed at exactly a point defined by the opposite first vertex (107), in a coplanar position in relation to the adjacent wall (107b) and perpendicular to the other adjacent wall (107a).

29. (Withdrawn) The improved metallic profile of claim 19 wherein the profile (104) presents the rim (111) perpendicularly folded outwards.

30. (Withdrawn) The improved metallic profile of claim 28 wherein the profile (104) forms a top or a bottom of a cabinet (100), the rims folded outwards (113a) defining an assembly support board for the bottom and top of the cabinet (100).

31. (Withdrawn) The improved metallic profile of claim 19 wherein the profile (104) has its end (112a) perpendicularly folded outwards.

32. (Withdrawn) The improved metallic profile of claim 19 wherein the profile (104) and its wall (107b') presents a vertex (107') with an internal angle substantially larger than 90 degrees, and an intermediary rim (115') has a second perpendicular fold having holes and openings (117') and (117''), such that the intermediary rim (115') provides two fixing rows in a straight angle.

33. (Withdrawn) The improved metallic profile of claim 19 wherein the profile (104) has a tubular core (105') with only one wall (106b') adjacent to a vertex (106') which presents a double wall, and has only one side (106a') completely open in the form of an access to two sides of an openings (116') existing in the wall (106b).

34. (Withdrawn) The improved metallic profile of claim 19 wherein the profile (104) having an open core presents the rim (115') with a fold (117), forming two adjacent sides with openings (117'-117'') positioned perpendicularly in relation to each other.

35. (Withdrawn) The improved metallic profile of claim 19 wherein the profile (104) presents a transversal geometry defined by two independent folded profiles of sheets welded on each other, one sheet (127) inside the cabinet and the other sheet (128) outside the cabinet, the first sheet incorporating the vertex (106) and respective adjacent walls (106a) and (106b) with the openings (116), while the other sheet includes the rim (115) with the openings (117), the profile including the ends or rims (112) and (113) perpendicularly folded inwards or outwards.

36. (Withdrawn) The improved metallic profile of claim 34 wherein the profile (104) is formed by two folded sheets (127-128) with walls (106a) and (106b) of equal or different lengths.